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A CHECK-LIST OF GROUND BEETLES (COLEOPTERA: CICINDELIDAE, CARABIDAE) OF THE MURAVJEV- AMURSKY PENINSULA, PRIMORSKII KRAI

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A check-list of 208 species from 2 families, 17 subfamilies and 52 genera of ground beetles (Coleoptera: Cicindelidae, Carabidae) of the Muravjev-Amursky peninsula is given.

KEY WORDS: Coleoptera: Cicindelidae, Carabidae, faunistics, Russian Far East.

Г. Ш. Лафер. Список жуков (Coleoptera: Cicindelidae, Carabidae) полуострова Муравьева-Амурского, Приморский край // Дальневосточный энтомолог. 2005. N 151. С. 1-8.

Приведен список видов жуков (Coleoptera: Cicindelidae, Carabidae) полуострова Муравьева-Амурского. К настоящему времени здесь выявлено 208 видов, относящихся к 2 семействам, 17 подсемействам и 52 родам.

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INTRODUCTION

Present paper dedicated to Carabid fauna of Muravjev-Amursky peninsula and the vicinities of Vladivostok locating at its southern part. Numerous species have been mentioned from "Vladivostok" and the Muravjev-Amursky peninsula in several monographs (Netolitzky, 1942-1943; Jedlička, 1962, 1965; Lafer, 1989) and papers

(Solsky, 1875; Lafer, 1973, 1978, 1979, 1980, 1992, 2004; Shilenkov, 1996; Morawec & Wrase, 1995, 1997). However the list of ground beetles of this region is absent until now.

Paper is based on the rich collections of the Zoological Institute of the Russian Academy of Sciences (St.-Petersburg), the Zoological Museum of Moscow State University (Moscow), the Institute of Biology and Soil Science, Far Eastern Branch of Russian Academy of Sciences (Vladivostok), as well as on the material collected by author in 1959-2005. An additional material have been obtained during the study of the forest and antropogenic ecosystems by pitfall traps in 2003-2005, and as a result 8 species indicated in text as (*) are mentioned from peninsula for the first time.

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LIST OF THE SPECIES

Family Cicindelidae

1. *Cicindela (Eumecus) gracilis* Pallas, 1775
2. *Cicindela (Cicindela) coerulea nitida* Lichtenstein, 1796 (= *tricolor* Adams, 1817)
3. *Cicindela (Cicindela) gemmata* Falderman, 1848
4. *Cicindela (Cicindela) sachalinensis* Morawitz, 1862
5. *Cicindela (Cicindela) transbaicalica* Motschulsky, 1844

Family Carabidae

Subfamily Notiophilinae

6. *Notiophilus breviusculus* Solsky, 1872
7. *Notiophilus impressifrons* Morawitz, 1862

Subfamily Nebriinae

8. *Leistus (Leistus) niger* Gebler, 1847
9. *Nebria (Boreonebria) subdilatata* Motschulsky, 1844
10. *Nebria (Orientonebria) coreica* Solsky, 1875
11. *Nebria (Paranebria) livida* (Linnaeus, 1758)
12. *Nebria (Reductonebria) ochotica* R. F. Sahlberg, 1844

Subfamily Carabinae

13. *Calosoma (Acalosoma) cyanescens* Motschulsky, 1859
14. *Calosoma (Campalita) chinense* Kirby, 1817
15. *Calosoma (Charmosta) lugens* Chaudoir, 1869.
16. *Carabus (Acoptolabrus) schrencki* Mén.- Motschlsky, 1860
17. *Carabus (Aulonocarabus) canaliculatus careniger* Chaudoir, 1863
18. *Carabus (Carabus) granulatus ussuriensis* Born, 1914
19. *Carabus (Coptolabrus) smaragdinus* Fischer, 1823
20. *Carabus (Eutelocarabus) arvensis* Herbst, 1784
21. *Carabus (Hemicarabus) tuberculatus* Dejean, 1829
22. *Carabus (Leptinocarabus) venustus* Morawitz, 1862

23. *Carabus (Limnocarabus) maacki* Morawitz, 1862
24. *Carabus (Megadontus) viettinghoffi* Adams, 1812
25. *Carabus (Morphocarabus) hummeli* Fischer, 1823
26. *Carabus (Trachycarabus) latreillei* Fischer, 1822
27. *Carabus (Tylocarabus) billbergi* Mannerheim, 1827
28. *Cychrus morawitzi koltzei* Roeschke, 1907

Subfamily Elaphrinae

29. *Elaphrus (Elaphrotatus) punctatus* Motschulsky, 1846
30. *Elaphrus (Elaphrus) riparius* Linnaeus, 1758
31. *Elaphrus (Neaelaphrus) sibiricus* Motschulsky, 1844
32. *Elaphrus (Neaelaphrus) splendidus* Fischer, 1828

Subfamily Scaritinae

33. *Dyschirius globosus* Herbst, 1783

Subfamily Patrobinae

34. *Diplous depressus* (Gebler, 1829)
- *35. *Patrobus septentrionis* Dejean, 1828

Subfamily Bembidiinae

36. *Asaphidion semilucidum* (Motschulsky, 1862)
37. *Asaphidion ussuriense* Jedlička, 1965
38. *Bembidion (Bembidion) mandli* Netolitzky, 1932
39. *Bembidion (Bembidion) quadrimaculatum* (Linnaeus, 1761)
40. *Bembidion (Blepharoplatus) litigiosum* (Motschulsky, 1844)
41. *Bembidion (Diplocampa) transparens prostratum* (Motschulsky, 1844)
42. *Bembidion (Diplocampa)* sp.
43. *Bembidion (Hirmoplataphus) hirmocoelum* Chaudoir, 1850
44. *Bembidion (Leja) articulatum* (Panzer, 1796)
45. *Bembidion (Lymneoperyphus) quadrimpressum* Ménétriés, 1860
46. *Bembidion (Metallina) elevatum lamprosimile* Netolitzky, 1939
47. *Bembidion (Neoemphanes) shimoyamai* Habu, 1978
48. *Bembidion (Notaphus) obliquum* Sturm, 1825
49. *Bembidion (Notaphus) semipunctatum* (Donovan, 1806)
50. *Bembidion (Peryphus) altestriatum* Netolitzky, 1934
51. *Bembidion (Peryphus) amurensis* Motschulsky, 1860
52. *Bembidion (Peryphus) grapei* Gyllenhal, 1827
53. *Bembidion (Peryphus) poppii captivorum* Netolitzky, 1943
54. *Bembidion (Peryphus) morawitzi* Csiki, 1928
55. *Bembidion (Peryphus) scopulinum* (Kirby, 1837)
56. *Bembidion (Peryphus) serorum* Netolitzky, 1934
57. *Bembidion (Plataphodes) tetraporum* Bates, 1883
58. *Bembidion (Plataphus) coelestinum* Motschulsky
59. *Bembidion (Plataphus) gebleri persuasum* Netolitzky, 1938
60. *Bembidion (Plataphus) infuscatipenne* Netolitzky, 1938

61. *Bembidion (Semicampa) mandarin* Netolitzky, 1939
62. *Elaphropus (Elaphropus) latissimus* Motschulsky, 1851
63. *Tachys (Paratachys) microps* Fischer, 1828 (= *pallescens* Bates, 1873)
64. *Tachytia nana* (Gyllenhal, 1810)
65. *Pogonus (Pogonus) iridipennis* Nicolai, 1822

Subfamily Trechinae

66. *Epaphius arsenjevi* Jeannel, 1962
67. *Epaphius densicornis* Fischhuber, 1977
68. *Epaphius dorsistriatus* Morawitz, 1862
- *69. *Trechus apicalis* Motschulsky, 1845
- *70. *Trechus* sp. (? *sikhotealinensis* Ueno et Lafer)
71. *Blemus discus* (Fabricius, 1792)

Subfamily Pterostichinae

72. *Poecilus (Macropoecilus) fortipes* Chaudoir, 1850
73. *Poecilus (Macropoecilus) lamproderus* Chaudoir, 1868
74. *Poecilus (Poecilus) encopoleus* Solsky, 1873
75. *Poecilus (Poecilus) nitidicollis* Motschulsky, 1844
76. *Poecilus (Poecilus) reflexicollis* (Gebler, 1830)
77. *Pterostichus (Argutor) sulcitarsis* Morawitz, 1862
78. *Pterostichus (Badistrinus) aberrans* Morawitz, 1862
79. *Pterostichus (Badistrinus) neglectus* Morawitz, 1862
80. *Pterostichus (Bothriopterus) adstrictus* Eschscholtz, 1823
81. *Pterostichus (Bothriopterus) subovatus* Motschulsky, 1862
82. *Pterostichus (Eosteropus) prolongatus* Morawitz, 1862
83. *Pterostichus (Euryperis) sutschanensis* Jedlička, 1962
84. *Pterostichus (Eurythracana) haptoderoides* (Tschitscherine, 1888)
85. *Pterostichus (Feroperis) vladivostokensis* Lafer, 1979
86. *Pterostichus (Koreonaloe) microps* Heyden, 1887
87. *Pterostichus (Melanius) nigrita* (Fabricius, 1790)
88. *Pterostichus (Melanius) rotundangulus* Morawitz, 1862
89. *Pterostichus (Metallophilus) interruptus* Dejean, 1828
90. *Pterostichus (Phonias) eobius* (Tschitscherine, 1899)
91. *Pterostichus (Phonias) jankowskii* (Tschitscherine, 1897)
92. *Pterostichus (Phonias) longinquus* (Bates, 1973)
93. *Pterostichus (Platysma) eschscholtzi fortis* Morawitz, 1862
94. *Pterostichus (Platysma) niger* (Schaller, 1783)
95. *Pterostichus (Rhagadus) microcephalus* Motschulsky, 1860
96. *Pterostichus (Rhagadus) solskyi* Chaudoir, 1878
97. *Pterostichus (Steropus) aereipennis* Solsky, 1872
98. *Pterostichus (Steropus) alacer* Morawitz, 1868
99. *Pterostichus (Steropus) orientalis* (Motschulsky, 1844)
100. *Pterostichus (Steropus) tuberculiger* (Tschitscherine, 1897)

Subfamily Agoninae

101. *Olistopus sturmi* (Duftschmid, 1812)
102. *Agonum (Agonum) dolens* (C. R. Sahlberg, 1827)
103. *Agonum (Agonum) gracilipes* (Duftschmid, 1812)
104. *Agonum (Agonum) impressum* (Panzer, 1797)
105. *Agonum (Agonum) jankowskii* Lafer, 1992
106. *Agonum (Agonum) mandli* Jedlička, 1933
107. *Agonum (Agonum) sculptipes* (Bates, 1883)
108. *Agonum (Europhilus) bellicum* Lutshnik, 1934
- *109. *Agonum (Europhilus) gracile* (Sturm, 1824)
110. *Agonum (Europhilus) jurecekianum* Jedlička, 1952
111. *Agonum (Europhilus) piceum* (Linnaeus, 1758)
- *112. *Agonum (Liebherrius) fallax* Morawitz, 1862
113. *Agonum (Metacolpodes) buchanani* (Hope, 1831)
114. *Agonum (Platynus) assimile* Paykull, (1790)
115. *Agonum (Pseudoplatynus) magnum* Bates, 1873
116. *Calathus (Dolichus) halensis* (Schaller, 1783)
117. *Pristosia proxima* (Morawitz, 1862)
118. *Synuchus (Crepidactyla) melancho* (Bates, 1881)
119. *Synuchus (Pristodactyla) agonus* (Tschitscherine, 1895)
120. *Synuchus (Pristodactyla) intermedius* Lindroth, 1956
- *121. *Synuchus (Pristodactyla) orbicollis* Morawitz, 1862
122. *Synuchus (Synuchus) chinensis* Lindroth, 1956
- *123. *Synuchus (Synuchus) congruus* (Morawitz, 1862)
- *124. *Synuchus (Synuchus) nivalis* (Illiger, 1798)

Subfamily Zabrinae

125. *Amara (Amara) communis* (Panzer, 1797)
126. *Amara (Amara) congrua* Morawitz, 1862
127. *Amara (Amara) coreica* Kolbe, 1886
128. *Amara (Amara) familiaris* (Duftschmid, 1812)
129. *Amara (Amara) laferi* Hicke, 1976
130. *Amara (Amara) lunicollis* Schiodte, 1837
131. *Amara (Amara) magnicollis* Tschitscherine, 1894
132. *Amara (Amara) nitida orienticola* Lutshnik, 1935
133. *Amara (Amara) obscuripes* Bates, 1873
- *134. *Amara (Amara) ovata* (Fabricius, 1792)
135. *Amara (Amara) similata similata* (Gyllenhal, 1810)
136. *Amara (Amara) ussuriensis* Lutshnik, 1935
137. *Amara (Bradycelia) minuta* (Motschulsky, 1844)
138. *Amara (Bradycelia) nigromontana* Lafer, 1978
- *139. *Amara (Bradytus) amplipennis* Baliani, 1943
140. *Amara (Bradytus) aurichalcea* Germar, 1824
141. *Amara (Bradytus) majuscula* (Chaudoir, 1850)

142. *Amara (Bradytus) mikae* Lafer, 1980
143. *Amara (Bradytus) pallidula* (Motschulsky, 1844)
144. *Amara (Amara) pseudosimplicidens* Lafer, 1980
145. *Amara (Bradytus) sinuaticollis* Morawitz, 1862
146. *Amara (Celia) saginata* (Ménétriés, 1847)
147. *Amara (Zezea) plebeja* (Gyllenhal, 1810)
148. *Curtonotus giganteus* (Motschulsky, 1845)
149. *Curtonotus gonioderus* (Tschitscherine, 1895)
150. *Curtonotus nitens* (Putzeys, 1866)

Subfamily Harpalinae

151. *Anisodactylus (Anisodactylus) signatus* (Panzer, 1797)
152. *Harpalus (Acardystes) rubefactus* Bates, 1873
153. *Harpalus (Haploharpalus) corporosus* (Motschulsky, 1861)
154. *Harpalus (Haploharpalus) crates* Bates, 1883
155. *Harpalus (Haploharpalus) froelichi* Sturm, 1818
156. *Harpalus (Haploharpalus) tichonis* Jacobson, 1907
157. *Harpalus (Harpalus) bungii* Chaudoir, 1844
158. *Harpalus (Harpalus) distinguendus* (Duftschmid, 1812)
159. *Harpalus (Harpalus) latus ussuricus* Mlynář, 1979
160. *Harpalus (Harpalus) major* (Motschulsky, 1850)
161. *Harpalus (Harpalus) modestus* Dejean, 1829
162. *Harpalus (Harpalus) nigrans* Morawitz, 1862
163. *Harpalus (Harpalus) pallidipennis* Morawitz, 1862
164. *Harpalus (Harpalus) rubripes* (Duftschmid, 1812)
165. *Harpalus (Harpalus) tarsalis* Mannerheim, 1825
166. *Harpalus (Harpalus) udegae* Lafer, 1989
167. *Harpalus (Harpalus) xanthopus* Gemminger et Harold, 1868
168. *Pseudoophonus (Cephalomorphus) capito* (Morawitz, 1862)
169. *Pseudoophonus (Pseudoophonus) coreanus* (Tschitscherine, 1895)
170. *Pseudoophonus (Pseudoophonus) eous* (Tschitscherine, 1895)
171. *Pseudoophonus (Pseudoophonus) griseus* (Panzer, 1797)
172. *Pseudoophonus (Pseudoophonus) jureceki* (Jedlička, 1928)
173. *Pseudoophonus (Pseudoophonus) sinicus* Hope, 1845
174. *Pseudoophonus (Pseudoophonus) tridens* (Morawitz, 1862)
175. *Pseudoophonus (Pseudoophonus) tschiliensis* Schuberger, 1929
176. *Pseudoophonus (Pseudoophonus) ussuriensis* (Chaudoir, 1863)
177. *Trichotichnus (Trichotichnus) coruscus* Tschitscherine, 1895
178. *Trichotichnus (Trichotichnus) lucidus* (Morawitz, 1863)
179. *Trichotichnus (Trichotichnus) nishioi* Habu, 1961
180. *Acupalpus (Setacupalpus) hilaris* Tschitscherine, 1899
181. *Acupalpus (Setacupalpus) sinensis* (Tschitscherine, 1899)
182. *Bradycellus (Tachycellus) curtulus* (Ménétriés, 1860)
183. *Bradycellus (Tachycellus) glabratulus* Lafer, 1989

184. *Bradyellus (Tachycellus) glabratus* (Reitter, 1894)
 185. *Bradyellus (Tachycellus) plutenkoi* Lafer, 1989
 186. *Lioholus jedlickai* Lafer, 1989
 187. *Loxoncus cyanescens* (Hope, 1845)
 188. *Stenolophus (Stenolophus) castaneipennis* Bates, 1873
 189. *Stenolophus (Stenolophus) propinquus* Morawitz, 1862
 190. *Dicheirotrichus (Trichocellus) punctatulus* (Reitter, 1894)

Subfamily Callistinae

191. *Chlaenius (Chlaeniellus) circumductus* Morawitz, 1862
 192. *Chlaenius (Chlaenius) pallipes* Gebler, 1823
 193. *Lachnocrepis prolixa* Bates, 1873
 194. *Oodes (Oodes) integer* Semenov, 1889

Subfamily Licininae

195. *Badister (Badister) bipustulatus* (Fabricius, 1792)
 196. *Badister (Baudia) ussuriensis* Jedlička, 1937

Subfamily Odacanthinae

197. *Odacantha (Odocantha) puziloi* Solsky, 1875

Subfamily Lebiinae

198. *Cymindis (Pseudocymindis) collaris* Motschulsky, 1844
 199. *Lebidea bioculata* (Morawitz, 1862)
 200. *Lebidea octoguttata* (Morawitz, 1862)
 201. *Lebia (Poecilothais) bifenestrata* Morawitz, 1862
 202. *Lebia (Poecilothais) retrofasciata* Motschulsky, 1864
 203. *Lachnolebia cribricollis* (Morawitz, 1862)
 204. *Dromius (Dromius) maritimus* Lafer, 1989
 205. *Dromius (Dromius) quadraticollis* Morawitz, 1862
 206. *Microlestes minutulus* (Goeze, 1777)
 207. *Syntomus pallipes* (Dejean, 1825)
 208. *Apristus striatus* (Motschulsky, 1844)

CONCLUSION

At the Muravjev-Amursky peninsula 208 species from 2 families, 17 subfamilies and 52 genera of ground beetles are found until now. The most diverse subfamilies are Harpalinae (40 species), Bembidiinae (30), Pterostichinae (29), Zabrinae (26), Agoninae (24), Carabinae (16) и Lebiinae (11). Each of all other subfamilies are represented by less than 10 species.

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